

## *Autobond Mini 52 TP Laminating Machine*



### **Laminator**

Maximum sheet size 52 x 74 cm. This machine is a single sided, thin film thermal laminator with a perfecting option (P). The laminator is of heavy-duty construction, using 30 mm steel side plates with 150 x 80 mm steel support beams. The roll of film is mounted on a quick change air shaft with film tension controlled by a pneumatic brake. The film roll has a trim slit and perforating mechanism. The rollers are heated with a sophisticated Swiss made temperature control unit. There are two laminating rollers; a highly polished 240 mm diameter chrome roller, and a 150 mm diameter rubber roller. These are pneumatically adjustable up to 9 metric tonnes on the nip. The temperature control unit pumps hot water into the chrome roller at a rate of 22 litres/ min, and immediately back to the TCU for re heating. Minimum size is A4 standard but a small size kit is available by request to achieve 190x210mm.

### **Feeder**

This is a rising pile, back separation stream feeder. The Heidelberg Speedmaster 52 feed head is driven by a servo motor, and has separate pick up and forwarding suckers to feed the sheets onto the vacuum feed belts and into the laminating rollers. The feed head is processor controlled, and receives its accuracy from a sophisticated encoder on the laminating roller, resulting in an accurate underlap of the grip edge of the sheet at speed. The feeder is fitted with a mill skid plate, allowing a full pallet of print to be loaded directly from the printing press.

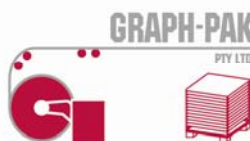
### **Sheeter**

The Autobond bump sheeter runs in line. Features include a digital sheet counter, an adjustable anti curl bar, pneumatically adjustable in feed nip rollers, and a pneumatic air clutch to give a constant tension between the laminator and the sheeter. Start/stop and speed up and down controls are located at the jogger end. Maximum speed is 60metres/min. Electrics are three phase 380-415 v.

### **Perfector**

A printing term for two sides in one pass. The perfecting option consists of an extra film airshaft for mounting a bottom roll of film which then wraps around a preheat roller and the rubber roller. When a valve is opened, both the preheat and the rubber roller are heated with water from the TCU at a rate of 22 litres/min.

**FOR FURTHER INFORMATION PLEASE CONTACT OUR HEAD OFFICE**



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**Magnet (optional)**

The bottom airshaft is driven for rewinding the release liner paper backing from the roll of 0.3 mm thick magnet onto an empty core. The magnet passes underneath the bump roller section before reaching an idler roller and then the pre-heat roller. The idler roller is the separation point of the paper release liner from the magnet. Rolls of magnet are mounted on mandrels fitted between extended side-plate arms. A second set of arms with a second mandrel can be fitted as an optional extra. Sheets are separated [cut] by the bump separator and delivered into the vibrating jogger.



**Shingle Delivery (optional)**

Designed to increase one man operation capability, the shingling unit extends from the rear of the laminator. You will be capable of controlling the shingle to offer a smooth transport of the laminated sheets into the jogging box.

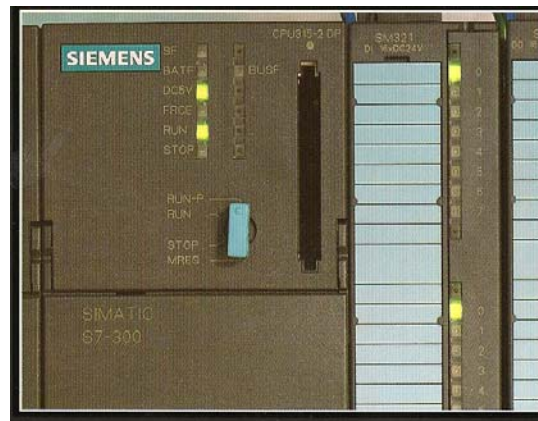
**Chill Rollers (optional)**

The Chill Rollers increase net operating speeds when running both sides at once (perfecting). The Chill Rollers remove the heat from the laminated product and reduce risks of blocking due to "hot sheets" – ideally aimed at laminating stocks under 150gsm both sides.

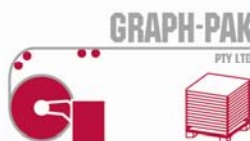
**Electronics**

The machine is fitted with a Siemen's programmable logic controller, which controls all machine functions. All drives are digital AC inverter drives.

Siemens products provide remote machine diagnostics, via a modem link, to Autobond technicians.

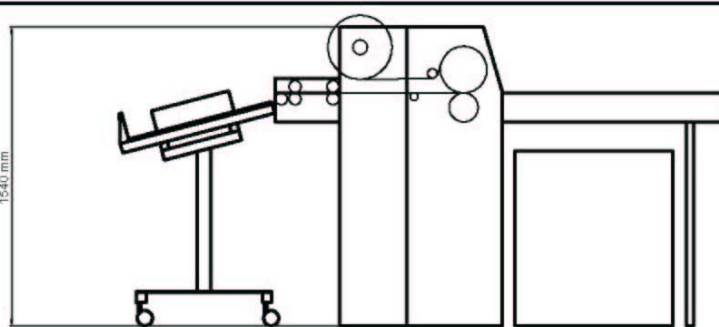


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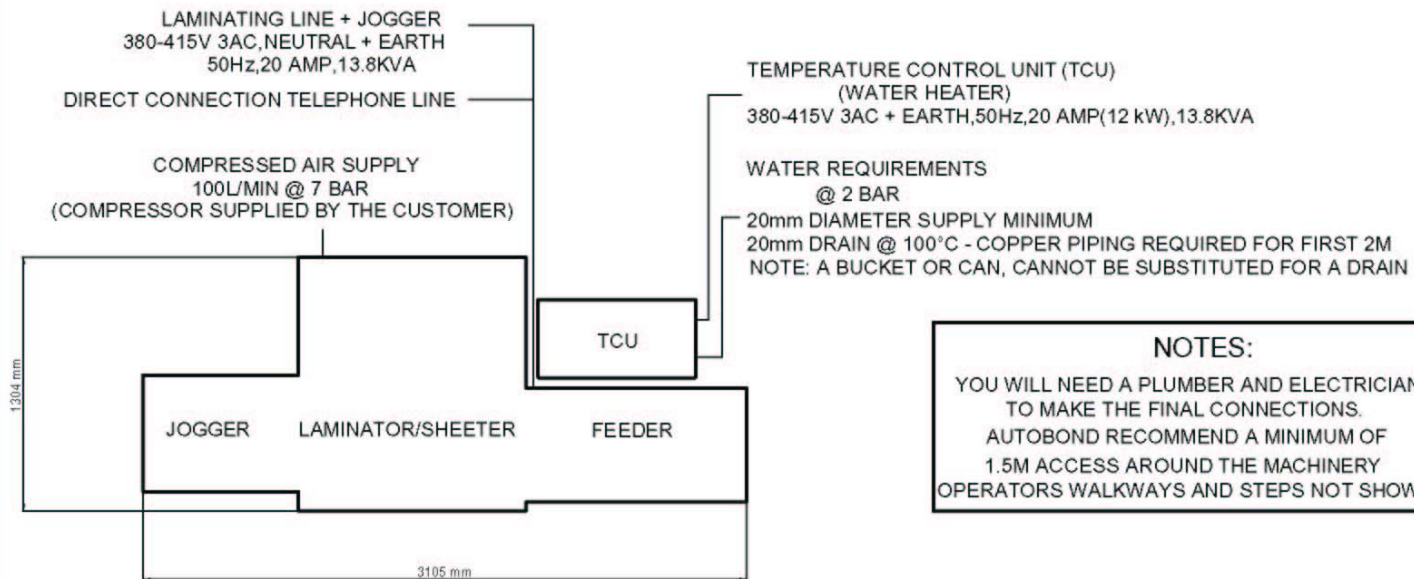
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MINI 52 X 76 T  
 FLOOR PLAN AND TECHNICAL SPECIFICATION



**NOTES:**  
 YOU WILL NEED A PLUMBER AND ELECTRICIAN  
 TO MAKE THE FINAL CONNECTIONS.  
 AUTOBOND RECOMMEND A MINIMUM OF  
 1.5M ACCESS AROUND THE MACHINERY  
 OPERATORS WALKWAYS AND STEPS NOT SHOWN